

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY Hungary/USSR

REPORT

SUBJECT [REDACTED] Explosives
Plant, Budapest (Nagyttény District)

DATE DISTR. 28 March 1957

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[REDACTED] report on the explosives plant which has its headquarters in the Nagyttény District of Budapest. The report contains information on the structural organization of the factory, its production and exports to the USSR, the satellite countries, Yugoslavia [REDACTED]

[REDACTED] It also states that the plant produced for the USSR "Detonator No. 16", allegedly a component of the Soviet atomic bomb. It appears, however, that this information is based on hearsay and cannot be considered factual.

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HUNGARYECONOMIC/MILITARYActivities of the explosives factory at NAGYTETENY

1. The explosives factory at NAGYTETENY came into being as the result of the decentralisation of the "VADÁSZTÖLTENYGYÁR" (sporting ammunition factory). The NAGYTETENY factory has the name of BANYAGYUTACSGYAR (mines time fuse factory). After nationalisation of the VADASZTOLTENYGYAR, three separate concerns were established:-

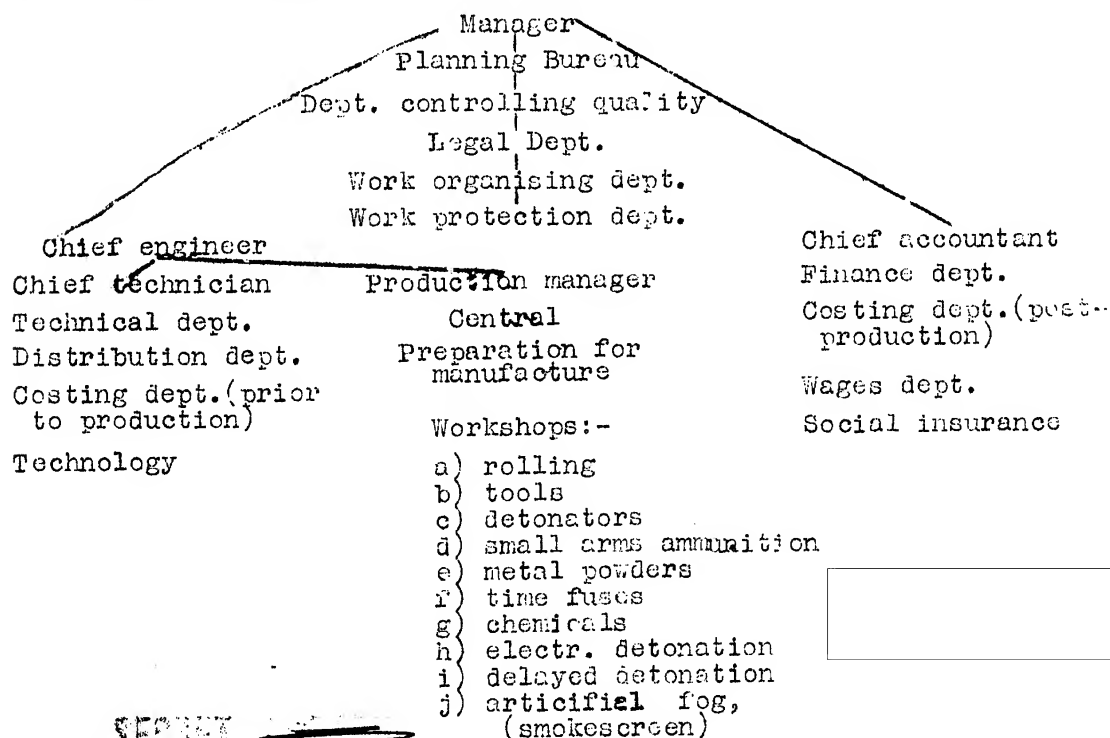
- (a) Mechanical works, at TOROKBALINT.
- (b) Sporting ammunition factory, at SZEKESFEHERVAR.
- (c) Time fuse factory for mines, at NAGYTETENY.

2. In due course the BANYAGYUTACSGYAR (mines time fuse factory) at NAGYTETENY was divided into three parts:-

- (a) the works at NAGYTETENY
- (b) FERROKEMIA works, at Uteg utca, BUDAPEST XIII
- (c) IRINYI works, at SZEKESFEHERVAR

3. The central office and administration are at NAGYTETENY.

The concern is organised as follows:



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4. Manufacture was divided into three main sections:-

- (a) Manufacture of time fuses for mines;
- (b) Manufacture of metal powders;
- (c) War production;

5. The most important activity was the manufacture of time fuses and explosives for mines. This is the only factory in Hungary which makes the charges which set off the main explosives and provides the needs of the whole of Hungary's mines. Furthermore the factory also exports to the other satellites, the USSR, Yugoslavia [redacted]

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[redacted] In the manufacture various departments cooperate, i.e.

- (a) the rolling department makes the shell cases or cartridge cases;
- (b) the chemical department makes the explosive fillings;
- (c) the fuse department makes the fuses and charges;
- (d) the time fuse department makes the heads of the charges (Gyujtorefj);
- (e) electrical department.

6. The manufactures are divided into:-

- (a) ordinary electrical detonation;
- (b) detonation by thousandths of seconds.

In both sections there are serial (chain reaction?) detonators and single unit detonators.

7. The chief component of the fillings is explosive mercury and several types of delaying fillings are used. The most used are:-

BOH electrical detonator		
BGV	"	"
BMO	"	"
BPO	"	"

Production was up to capacity, i.e. 1,000,000 pieces per month, of which 700,000 were for internal consumption, the rest for export to the countries mentioned.

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Metal Powder manufacture

New and experimental manufacture of:-

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Aluminium powder 100 tons per month
Magnesium " 1 ton per month
Various ferro-alloy
powders (only in experimental stage)
Al. and Mg. alloys 1 ton per month
powder AM. 50
Manganese powder 30 tons per month

The magnesium powder is manufactured for the war industries as firing material and in general for tracer ammunition and instantaneous ignition. The raw magnesium is provided by the USSR.

The aluminium powder is despatched to the furnaces in the steel manufacturing works. It is composed of aluminium in blocks and aluminium scrap from works utilising aluminium. Aluminium powder before the revolution was exported by this factory to the satellites, USSR [REDACTED]

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The magnesium is manufactured in hammering mills and is done in vibration sieves. It is extremely inflammable and explosive. Manufacture of aluminium powder:-

The aluminium block and scrap is melted in furnaces at 1,000 to 1,200°C and is sprayed into a so-called spraying room; from there it is put onto a vibrator-separator-sieve. In commerce the powder is graded according to the size of the grains.

Manganese and ferro-alloy powders are for home consumption as auxiliary materials in the steel industry.

War production The detonator works make small arms ammunition and smokescreen materials.

Small arms ammunition dept. This makes the charge for the firing of all small arms ammunition. (Inditoscappantyu- initial or starting detonating material, which sets off the main filling). These are also made for mines, various sized aerial and land bombs.

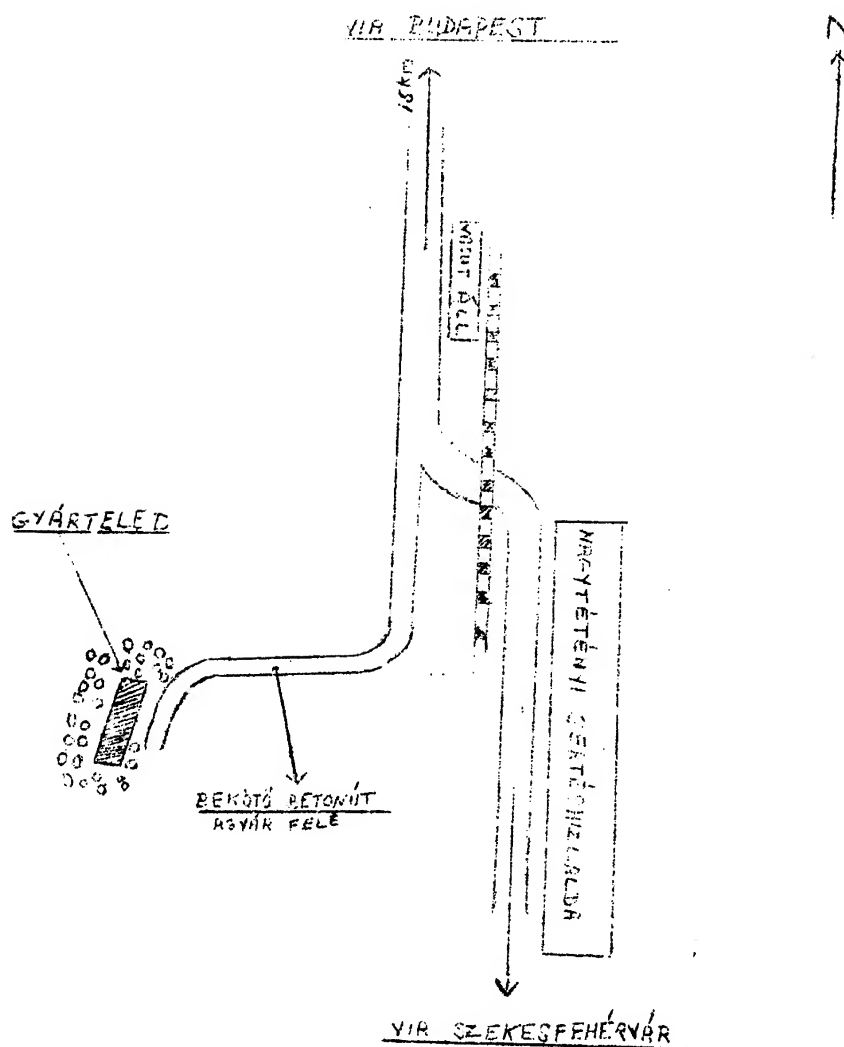
In this manufacture the following depts. co-operate:-

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Appendix

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Map of the NAGYTETENY area~~SECRET~~
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